

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-016577**Date Inspected:** 31-Aug-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** Le Zhi Jiang**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** Orthotropic Box Girder (OBG)**Summary of Items Observed:**

On this date Caltrans Office of Structural Material (OSM) Quality Assurance (QA) Inspector, D.Sukanthan was present during the time noted above for observations relative to the work being performed.

OBG # BAY 8

This QA inspector received ZPMC Non Destructive Testing (NDT) notification 06537 to perform Magnetic particle Testing (MT) of approximately 15% of the area previously tested and accepted by ZPMC Quality Control Personnel. This QA Inspector generated a Magnetic particle Test report for this date. The member is identified as Bike Path. The weld tested is identified as follows:

(BK004A6-059-084)

(BK004A7-059-027,028,029,030)

(BK004A4-059-001,002,003)

(BK004A6-063-074)

(BK004A7-063-015,017,018)

(BK004A3-063-038,048,047)

(BK004A6-062-112)

(BK004A7-062-051,052,053,054)

(BK004A4-062-053,054,055)

(BK004A6-059-094)

(BK004A7-059-039,040,041)

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(BK004A4-059-027,028,029)

OBG # CROSS BEAM CB15

This QA inspector received ZPMC Non Destructive Testing (NDT) notification 06543 to perform Ultrasonic Testing (UT) of approximately 10% of the area previously tested and accepted by ZPMC Quality Control Personnel. This QA Inspector generated a Ultrasonic Test report for this date. The member is identified as Cross beam CB 15. The weld tested is identified as follows:

(CB202G-045-053)

(CB202G-046-053)

(CB202G-047-111)

(CB202G-048-135)

This QA Inspector randomly observed the following work in progress:

OBG # BAY 6

This QA observed ZPMC qualified welding personnel identified as 215960 perform Submerged Arc Welding (SAW) Process on weld joint CB3002C-018-001. ZPMC Quality Control Personnel (QC) identified as Mr. Li Jia was present to monitor the welding process. The welding parameters as measured using QC's calibrated instruments appeared to be in general compliance with WPS-B-T-2221-B-L2C-S-2.

OBG # BAY 7

This QA observed ZPMC qualified welding personnel identified as 048801 perform Flux Cored Arc Welding (FCAW) Process on weld joint SP3145A-001-016,017. ZPMC Quality Control Personnel (QC) identified as Mr. Guo Pan was present to monitor the welding process. The welding parameters as measured using QC's calibrated instruments appeared to be in general compliance with WPS-B-T-2232-TC-U4b-F-2..

This QA observed ZPMC qualified welding personnel identified as 053742 perform Flux Cored Arc Welding (FCAW) Process on weld joint SP3120-001-031,032. ZPMC Quality Control Personnel (QC) identified as Mr. Wang Liyang was present to monitor the welding process. The welding parameters as measured using QC's calibrated instruments appeared to be in general compliance with WPS-B-T-2132-3.

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

Summary of Conversations:

As mention above

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang 150-00422372, who represents the Office of Structural Materials for your project.

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Inspected By:	Sukanthan,Dhanasingh	Quality Assurance Inspector
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Reviewed By:	Hall,Steven	QA Reviewer
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